

Nicholas M. McManus, DO

EDUCATION AND TRAINING

Emergency Medicine Residency <ul style="list-style-type: none"><i>West Michigan Emergency Medicine Residency</i>	<i>August, 2018</i> <i>Muskegon, Michigan</i>
Doctor of Osteopathic Medicine <ul style="list-style-type: none"><i>Michigan State University - College of Osteopathic Medicine</i>	<i>May, 2014</i> <i>East Lansing, Michigan</i>
Bachelor of Science in Biology <ul style="list-style-type: none"><i>Oakland University</i>	<i>April, 2009</i> <i>Rochester, Michigan</i>
Emergency Medical Technician/Combat Medic <ul style="list-style-type: none"><i>Fort Sam Houston/Brooke Army Medical Center</i>	<i>July, 2003</i> <i>San Antonio, Texas</i>

CURRENT PROFESSIONAL LICENSURE

• American Board of Emergency Medicine, Board Certified	<i>2019-present</i>
• Michigan Medical License	<i>2015-present</i>
• Drug Enforcement Administration License	<i>2015-present</i>
• Drug Enforcement Administration X-waiver License	<i>2021-present</i>

CURRENT PROFESSIONAL CERTIFICATIONS

• Counter Narcotics & Terrorism Operational Medical Support (CONTOMS) Medical Directors Course	<i>2021</i>
• RCA2: Improving Root Cause Analysis and Actions to Prevent Harm	<i>2021</i>
• Just Culture for Managers	<i>2021</i>
• Advanced Cardiac Life Support Instructor	<i>2017</i>
• Pediatric Advanced Life Support Instructor	<i>2017</i>
• Advanced Trauma Life Support	<i>2015</i>
• Advanced Disaster Life Support	<i>2015</i>
• Basic Disaster Life Support	<i>2015</i>

PROFESSIONAL EXPERIENCES

Medical Director <ul style="list-style-type: none"><i>Platinum Educational Group</i>	<i>2022-present</i> <i>Grandville, Michigan</i>
Assistant Medical Director <ul style="list-style-type: none"><i>Muskegon County Medical Control Authority</i>	<i>2021-present</i> <i>Muskegon, Michigan</i>
Journal of Emergency Medicine Reviewer <ul style="list-style-type: none"><i>Actively review submitted articles to the Journal of Emergency Medicine (JEM)</i>	<i>2020-present</i>
Free Online Access to Medicine (FOAM) Medical Blogger – www.BananaBagEM.com <ul style="list-style-type: none"><i>Founder of a medical blog containing medical reviews for Physicians, PA's, NP's, Nurses and EMS providers</i>	<i>2018-present</i>
Lake Michigan Emergency Specialists – Physician Partner <ul style="list-style-type: none"><i>Mercy Health Partners</i>	<i>2018-present</i> <i>Muskegon, Michigan</i>
Lake Michigan Emergency Specialists – Staff Physician <ul style="list-style-type: none"><i>Mercy Health Lakeshore Hospital</i>	<i>2017-2018</i> <i>Shelby, Michigan</i>
Mercy Health Regional Simulation Lab – Clinical Instructor <ul style="list-style-type: none"><i>Mercy Health Partners – MSU-COM base hospital</i>	<i>2017-present</i> <i>Muskegon, Michigan</i>
Emergency Medical Technician <ul style="list-style-type: none"><i>Henry Ford Macomb Hospital</i>	<i>2009-2010</i> <i>Warren, Michigan</i>

Combat Medic

- *US Army: Multi-National Force - Iraq*
- *Conducted over 150 combat patrols covering 15,000 miles in Iraq while serving as the Medic to the Commanding General of the Iraq War, General David H. Petraeus and his Senior Enlisted Leader, CSM Jeffery Mellinger.*

2002–2010
Baghdad, Iraq

FACULTY APPOINTMENTS**West Michigan Emergency Medicine Residency – EMS Track Director**

- Mercy Health Partners

2021–present
Muskegon, Michigan

West Michigan Emergency Medicine Residency - Core Faculty

- Mercy Health Partners

2016–present
Muskegon, Michigan

Michigan State University College of Osteopathic Medicine - Associate Professor

- Mercy Health Partners – MSU-COM base hospital

2016–present
Muskegon, Michigan

PROFESSIONAL COMMITTEE APPOINTMENTS

- EMS Advisory Board – West Michigan Regional Medical Consortium
- Firearms Injury Prevention Committee
- Mercy Health Growth and Partnership Strategy Committee

2021–present
2021–present
2021–present

PREVIOUS LEADERSHIP APPOINTMENTS**American Academy of Emergency Medicine Resident Representative**

- *Great Lakes Chapter*

2017

Chief Emergency Medicine Resident

- *Mercy Health Partners – Michigan State University College of Osteopathic Medicine*

2017
Muskegon, Michigan

Medical Evacuation Platoon Sergeant

- *U.S. Army/Michigan Army National Guard*

2008
Ypsilanti, Michigan

Platoon Leader – Advanced Individual Training

- *U.S. Army*

2002
San Antonio, Texas

Platoon Leader – Basic Combat Training

- *U.S. Army*

2002
Fort Knox, Kentucky

Senior Patrol Leader

- *Troop 1702 - Boy Scouts of America*

1999
Troy, Michigan

AWARDS AND RECOGNITIONS

- Detroit Lions Hometown Hero
- US Army MACOM Non-Commissioned Officer of the Year
- Bronze Star Medal – US Army
- Combat Action Badge – US Army
- Army Achievement Medal; 3 Awards – US Army
- US Army MACOM Soldier of the Year
- Eagle Scout

2008
2008
2007
2007
2004, 2005, 2007
2005
2001

SCHOLARLY ACHIEVEMENTS

Invited Professional Lectures

- Michigan College of Emergency Physicians Scientific Assembly** 2019
 • *ATLS 10 – A clinical update* Mackinac Island, Michigan
- Mercy Health Hospital Grand Rounds** 2017
 • *Lab Values for Hospital Staff* Muskegon, Michigan
- West Michigan Osteopathic Association** 2016
 • *Pediatric Fever MythBusters* Muskegon, Michigan
- Mercy Health Hospital Grand Rounds** 2016
 • *Stroke – A clinical Update* Muskegon, Michigan
- Critical Care Symposium** 2016
 • *Lab Values for the Critical Care Paramedic* Traverse City, Michigan
- Community Paramedic Program – Course Instructor** 2016
 • *Professional Med Team, Inc.* Muskegon, Michigan
- Tactical Combat Casualty Care – Course Instructor** 2006
 • *US Army Medical Command and School* Fort McCoy, Wisconsin

Formal Course/Educational Content Development

- West Michigan Emergency Medicine EMS Track** 2021
 • *Designed and implemented a 3-year EMS track for residents through the West Michigan Emergency Medicine Residency program.*
- West Michigan Emergency Medicine Research Initiative** 2021
 • *Created a modular web-based educational series for resident physicians to improve basic understanding of scholarly activities. This series can be accessed at www.westmichiganem.com/educational-series.*
- West Michigan Emergency Medicine EMS Clinical Rotation** 2021
 • *Designed and created a modular web-based educational series for resident physicians learning the fundamental of EMS.*
- COVID-19 Surge Protocol** 2020
 • *Designed and implemented a surge tent protocol used by Mercy Health to accommodate the increased volume of patients during the COVID-19 pandemic.*
- COVID-19 Emergency Department Clinical Pathway** 2020
 • *Designed a clinical decision and treatment pathway for patients diagnosed with COVID-19.*
- High-Sensitivity Troponin Clinical Pathway** 2019
 • *Designed a clinical decision and interpretation algorithm for the use of High Sensitivity Troponin assays that is currently adopted and utilized across all Trinity Health hospitals in the United States.*
- Enhanced Paramedic Course** 2018
 • *Created a 10-hour course for a new paramedicine licensure level currently used by the State of Michigan.*

Peer Reviewed Publications

McManus N., Margart K., Offman R. Hypoglycemia Worsened by Glucose Administration: A Case of Hypoglycemia Years After Gastric Surgery. *J Emerg Med.* 2021 Jan 19;S0736-4679(20)31343-3. PMID: 33483201

McManus N., Offman R., Oetman J. Emergency Department Management of COVID-19: An Evidence-Based Approach. *West J Emerg.* 2020 Sep 25;21(6):32-44. PMID: 33052814

McManus N., Offman, R., et al. An Eye with a Heartbeat: Carotid Cavernous Fistula – A Case Report. *J Emerg Med.* 2018 Sep;55(3):e75-e76. PMID: 29941376

McManus N., Zehrung R., Armstrong T., et al. Anaphylaxis caused by swimming: A case of cold-induced urticaria in the Emergency Department. *West J Emerg.* 2021 Aug; 5(3): 307-311. PMID: 34437035

Salisbury J., Goodrich J., **McManus N.** The case of the lime-green stool: limitations of occult blood testing in the Emergency Department. *West J Emerg.* 2021 Aug; 5(3): 320-324. PMID: 34437038

Grant Submissions

McManus N. Muskegon County DOC-1 Pilot Program. Proposal to Muskegon County Emergency Management. 1 Dec. 2021. Typescript.

Non-Peer Reviewed Publications

Free Online Access to Medicine (FOAM) Medical Blogger – www.BananaBagEM.com

- *Created over 50 in-depth and evidence-based reviews of various medical topics, article reviews and video mini-lectures.*